Answers:

Name these compounds:

N2O5 dinitrogenpentaoxide

CaCO3 calcium carbonate

Cr3(PO4)2 chromium(II)phosphate (the three phospahates have a charge of 6-, so the two Cr have a charge of 6+, and each Cr is 3+)

H2SO4 sulfuric acid

BaS barium sulfide

BF3 boron trifluoride

OF2 oxygen difluoride

FeCl2 iron(II) chloride

Fe2(SO4)3 iron(III)sulfate

MgF2 magnesium fluoride

Give the formula:

Cobalt(III)chloride CoCl3

Dinitrogentetraoxide N2O4

Nitric acid HNO3

Nitrous acid HNO2

Magnesium sulfate MgSO4

Aluminum phosphate AlPO4

Iron(III)nitrate Fe(NO3)3

Magnesium chloride MgCl2

Sodium sulfide Na2S